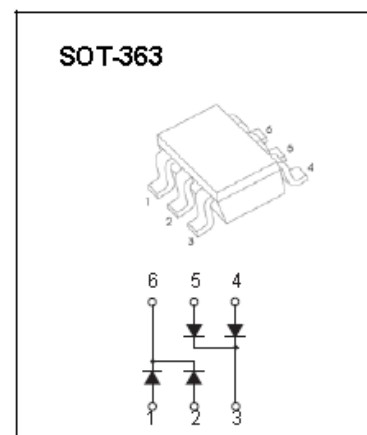
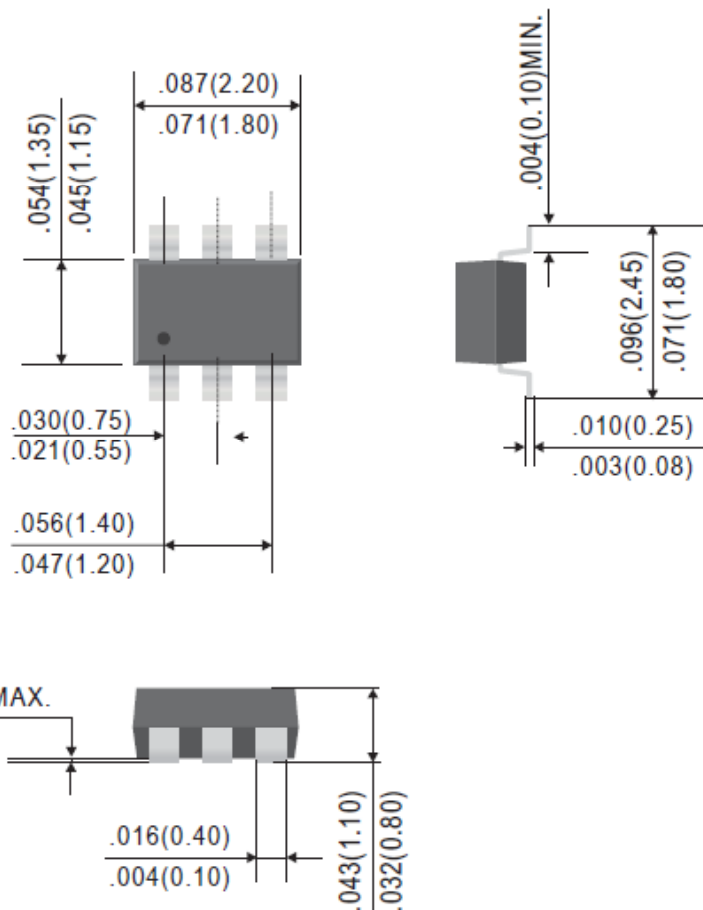




Dimensions in inches and (millimeters)

FEATURES

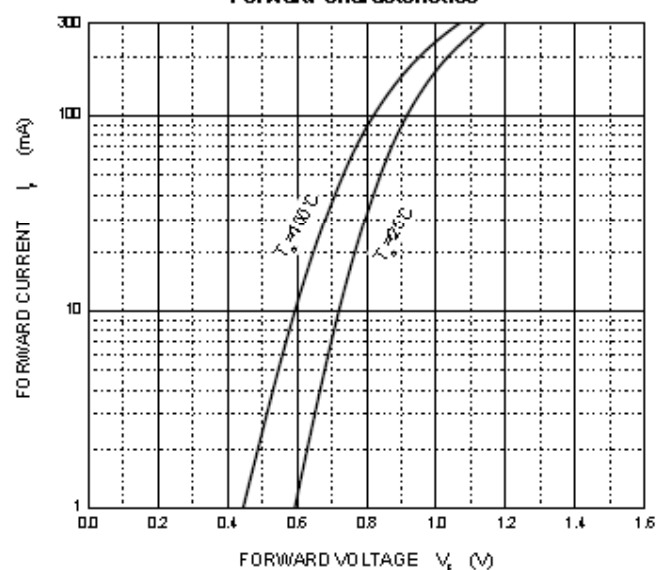
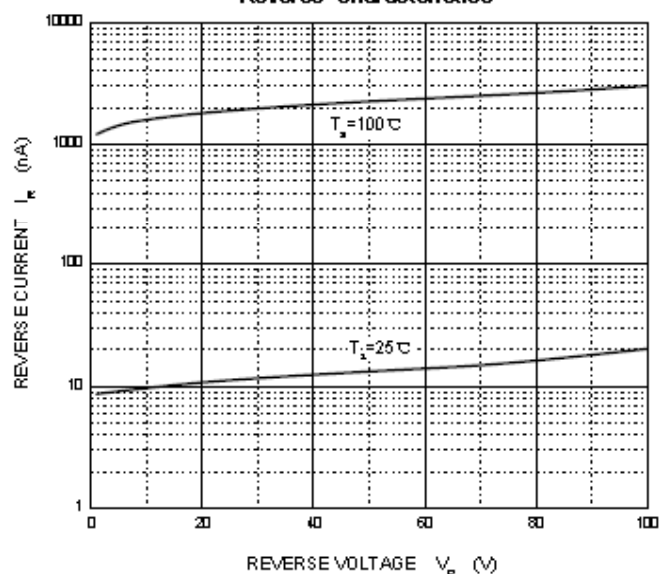
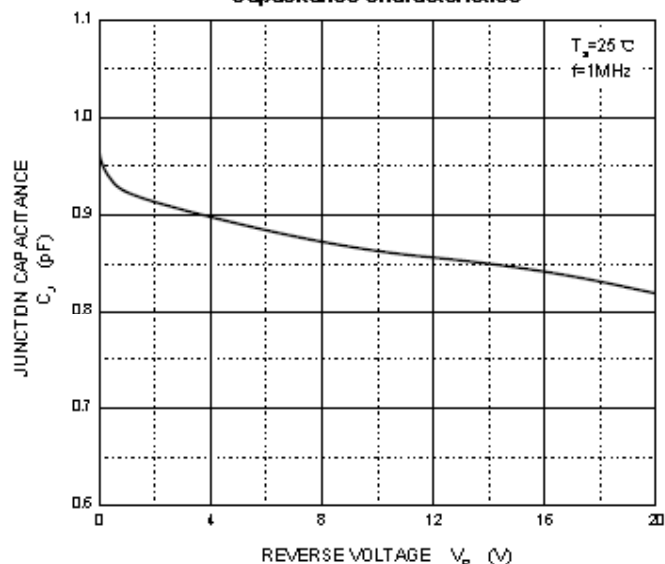
- Fast Switching Speed
- For General Purpose Switching Applications
- High Conductance
- Ultra-Small Surface Mount Package
- Pb-Free package is available
- RoHS product for packing code suffix "G"
- Halogen free product for packing code suffix "H"
- Moisture Sensitivity Level 1

MARKING: KJA

Maximum Ratings (T _a =25°C unless otherwise noted)			
Parameter	Symbol	Limit	Unit
Peak Repetitive Peak Reverse Voltage	V _{RRM}	100	V
Working Peak Reverse Voltage	V _{RWM}	100	
DC Blocking Voltage	V _R	75	
Forward Continuous Current	I _{FM}	300	mA
Average Rectified Forward Current	I _O	150	mA
Repetitive Peak Forward Surge Current	I _{FSM}	2	A
		1	
Power Dissipation	P _D	200	mW
Thermal Resistance From Junction To Ambient	R _{θJA}	625	°C/W
Junction temperature	T _J	150	°C
Operating/ Storage temperature	T _{STG}	-55~+150	°C

Electrical Characteristics (T _a =25°C unless otherwise noted)						
Parameter	Symbol	Test conditions	Min.	Typ.	Max.	Unit
Reverse Voltage	V _(BR)	I _R = 2.5μA	75	—	—	V
Forward Voltage	V _{F1}	I _F =1mA	—	—	0.715	V
	V _{F2}	I _F =10mA	—	—	0.855	
	V _{F3}	I _F =50mA	—	—	1.00	
	V _{F4}	I _F =150mA	—	—	1.25	
Reverse Current	I _{R1}	V _R =75V	—	—	2.5	μA
	I _{R2}	V _R =20V	—	—	25	nA
Total capacitance	C _T	V _R =0V, f=1MHz	—	—	2	pF
Reverse Recovery Time	t _{rr}	I _F =I _R =10mA I _{rr} =0.1X I _R , R _L =100Ω	—	—	4	ns

Typical Characteristics

Forward Characteristics

Reverse Characteristics

Capacitance Characteristics

Power Derating Curve
